AMENDMENTS TO THE SPECIFICATION

Please amend the first full paragraph on page 1 of the specification as indicated:

This invention relates to a method for processing a handoff and a call in an asynchronous mobile communication system, accented in an International Mobile Telecommunication-2000 (IMT-2000) system; and, more particularly, to a method for processing the handoff and the call in the asynchronous mobile communication system coupled to a synchronous core network. [Note to Examiner: added a "." at the end of the paragraph.]

Please amend the title of the second full paragraph on page 1 of the specification as indicated:

Description of the Prior [[prior]] Art

Please amend the fifth full paragraph on page 3 of the specification as indicated:

The layer 3 31 is a network layer which includes the following sub layers:[[,]] a synchronous radio resource (RR) sub layer 34, a synchronous call control (CC) entity 32 and a mobility management (MM) entity 33. In synchronous systems, ~~system,~~ the synchronous RR sub layer 34 is not apparently separated from the others in the layer 3 31.

Please amend the sixth full paragraph on page 3 (spanning pages 3 and 4) of the specification as indicated:

The RR sub layer 34 offers data transfer services on primitives ~~primitive~~ to a lower layer (RLC sub layer) and handles [[a]] control plane signaling of the layer 3 31 between a mobile

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

station (MS) and a synchronous radio network. The RR sub layer 34 manages a radio resource. Also, the RR sub layer 34 assigns/re-configures/releases the radio resource to UE/UTRAN.

Please amend the first full paragraph on page 4 of the specification as indicated:

The CC entity 32 handles layer 3 [[a]] call control signaling ~~of layer 3~~ between the MSs and the synchronous radio network.

Please amend the second full paragraph on page 4 of the specification as indicated:

The MM entity 33 handles layer 3 [[a]] mobility management signaling ~~of layer 3~~ between the MSs and the synchronous radio network.

Please amend the third full paragraph on page 5 of the specification as indicated:

~~Fig. 2B is shows the layered protocol structure of the conventional asynchronous mobile communication system. In this drawing, the reference numeral 60 denotes an asynchronous mobile station, 70 a UTRAN and 80 an asynchronous core network.~~

Fig. 2B [[is]] shows the layered protocol structure of the conventional asynchronous mobile communication system. In this drawing, the reference numeral 60 denotes an asynchronous mobile station, 70 a UTRAN and 80 an asynchronous core network.

Please amend the fourth full paragraph on page 5 (spanning pages 5 and 6) of the specification as indicated:

The asynchronous mobile station 60 comprises a layer 3 61, a layer 2 65 and a layer 1 66. In particular, the layer 3 61 includes a non-access stratum (NAS) part and an access stratum (AS) part. The NAS part includes an asynchronous call control (CC) part 62 for management of a call

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

and an asynchronous mobility management (MM) part 63 for management of a mobility. The AS part includes an asynchronous radio resource control (RRC) part 64. In the asynchronous system, the asynchronous RRC sub layer is apparently separated from the NAS part. Functions of the asynchronous RRC sub layer are the same as those of the synchronous RR sub layer.

Please amend the second full paragraph on page 6 of the specification as indicated:

The asynchronous core network 80 comprises a layer 3 81 having an [[a]] NAS part [[81]] connected to that of the asynchronous mobile station 60 and an [[a]] AS part, a layer 2 85 and a layer 1 86 connected respectively to those in the UTRAN 70. The NAS part comprises an asynchronous CC part 82 for management of a call and an asynchronous MM part 83 for management of a mobility.

Please amend the first full paragraph on page 7 of the specification as indicated:

In the conventional asynchronous mobile ~~mobile~~ station and radio network having the layered protocol structure, the asynchronous mobile station 60 receives a system information message from the UTRAN 70 over a broadcast control channel (BCCH) and acquires information necessary to its connection to the asynchronous core network 80, including information related to the asynchronous core network 80 and information about the UTRAN 70, from the received system information message.

Please amend the second full paragraph on page 7 of the specification as indicated:

In the next-generation mobile telecommunication system such as the IMT-2000 system, either the GSM-MAP network used in the above conventional asynchronous mobile

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

communication system or the ANSI-41 network used in the above conventional synchronous mobile communication system should be employed as a core network in order to perform [[an]] international roaming in a synchronous or asynchronous mobile communication system of an IMT-2000 system.

Please amend the first full paragraph on page 8 of the specification as indicated:

~~Fig. 3 shows core network interface architectures of the next-generation mobile communication system such as the IMT-2000 system.~~

Fig. 3 shows core network interface architectures of the next-generation mobile communication system such as the IMT-2000 system.

Please amend the first full paragraph on page 13 of the specification as indicated:

Fig. 4D shows layered protocol structures of a hybrid type asynchronous mobile station, a hybrid type asynchronous radio network and an asynchronous GSM-MAP core network. In this drawing, the reference numeral 210 denotes a hybrid type asynchronous mobile station, 220 denotes a hybrid type [[a]] UTRAN which is a hybrid type asynchronous radio network, and 240 denotes an asynchronous GSM-MAP core network connected to the hybrid type UTRAN 220.

Please amend the second full paragraph on page 16 (spanning pages 16 and 17) of the specification as indicated:

As can be seen from above, in the asynchronous IMT-2000 system, an international communication protocol defined for the asynchronous communication mode should be used for [[a]] good processing of the handoff and the call. That is, the international standard

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

communication protocol commonly called Asynchronous Communication Air-Interface should be used for the Air-Interface, and the communication protocol called [[of]] RANAP should be used for the A-Interface.

Please amend the first full paragraph on page 17 of the specification as indicated:

However, in cases where [[case]] the asynchronous mobile station, the asynchronous radio network and the synchronous ANSI-41 core network are coupled to each other, the international communication protocol for the asynchronous communication mode is unusable. In other words, the international communication protocol of Asynchronous Communication Air-Interface should be used for the Air-Interface between the asynchronous mobile station and the asynchronous radio network, and the international communication protocol of 3G-IOS should be used for the A-Interface between the asynchronous radio network and the synchronous ~~asynchronous~~ core network.

Please amend the second full paragraph on page 17 of the specification as indicated:

In conclusion, ~~Conclusively,~~ the conventional international communication protocol of the asynchronous communication mode does not take the Air-Interface and A-Interface communication protocol of the synchronous communication mode into consideration.

Please amend the fifth full paragraph on page 24 (spanning pages 24 and 25) of the specification as indicated:

At step S2, the RRC in the asynchronous mobile station that receives the 'Origination' message should make a connection with the RRC in the asynchronous radio network 720 having

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

a base transceiver station which is also is called [[as]] a Node B and a base station controller which is also called [[as]] a Radio Network Controller. At this time, a Dedicated Control Channel (DCCH) can be used. Consequently, the RRC in the asynchronous mobile station transmits a 'RRC Connection Request' message to the RRC in the asynchronous radio network 720 and requests 'RRC Connection'.

Please amend the first full paragraph on page 25 of the specification as indicated:

At step S3, the RRC 721 in the asynchronous radio network 720 that receives the 'RRC Connection Request' message from the RRC 713 in the asynchronous mobile station 710[[,]] performs RRC connection by using information contained in the asynchronous mobile station. After that, [[then,]] through an [[a]] 'RRC Connection Setup' message, the RRC 721 informs the asynchronous mobile station that an [[a]] RRC connection is completed, and provides information about the DCCH to the asynchronous mobile station 710. The DCCH is co-used by the asynchronous radio network 720 and the asynchronous mobile station 710.

Please amend the second full paragraph on page 25 of the specification as indicated:

At step S4, after receiving the 'RRC Connection Setup' message from the asynchronous radio network, the RRC in the asynchronous mobile station stores information about the DCCH to be used by itself, and establishes the DCCH. And then, the RRC in the asynchronous mobile station transmits information about the capability of the asynchronous mobile station to the RRC in the asynchronous radio network through a 'UE Capability Information' message.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the second full paragraph on page 26 of the specification as indicated:

At step S6, after receiving the 'UE Capability Confirm' message from the RRC 721 in the asynchronous radio network, the RRC 713 in the asynchronous mobile station transmits an [[a]] 'Origination' message through an 'Initial ~~' Initial~~ Direct Transfer' message to the RRC 721 in the asynchronous radio network. The 'Initial Direct Transfer' message is defined in the RRC protocol, as used to transmit a protocol entity included in the NAS between the RRC 713 in the asynchronous mobile station and the RRC 721 in the asynchronous radio network. That is, the 'Origination' message, which [[that]] is included as a portion of the parameters ~~parameter~~ in the 'Initial Direct Transfer' message, is transmitted.

Please amend the third full paragraph on page 26 (spanning pages 26 and 27) of the specification as indicated:

At step S7, after receiving the 'Initial Direct Transfer' message from the RRC 713 in the asynchronous mobile station, the RRC 721 in the asynchronous radio network selects and analyzes the 'Origination' message from the received message, and then stores necessary information. By referring to the received 'Origination' message, the RRC 721 in the asynchronous radio network transmits a 'CM Service Request' message to the synchronous core network. The 'CM Service Request' message informs that a 'Call Origination' message arrived ~~arrives~~ from the synchronous mobile station.

Please amend the second full paragraph on page 27 of the specification as indicated:

At step S9, after receiving the 'Assignment Request' message from the synchronous core network, the asynchronous radio network establishes the wire resource by which it

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

communicates with the synchronous core network, and performs a process of assigning the radio resource by which it communicates with the asynchronous mobile station. In order to assign the radio resource, the RRC in the asynchronous radio network transmits a 'Ciphering Mode Command' message having information of ciphering for data security, which the asynchronous mobile station transmits during a phone call through the 'Downlink ~~'Down-link~~ Direct Transfer' message to the RRC in the asynchronous mobile station.

Please amend the third full paragraph on page 28 (spanning pages 28 and 29) of the specification as indicated:

At step S13, after receiving the 'Ciphering Mode Complete' message from the MM entity in the asynchronous mobile station, the RRC in the asynchronous radio network is informed that establishment of ciphering is completed, and transmits a 'Channel Assignment' message through the 'Downlink ~~'Downlink~~ Direct Transfer' message to the RRC 713 in the asynchronous mobile station, in order to establish the radio resource. The 'Channel Assignment' message contains information about a radio bearer resource.

Please amend the third full paragraph on page 29 (spanning pages 29 and 30) of the specification as indicated:

At step S16, after receiving the 'Radio Bearer Assignment Setup' message from the RRC 721 in the asynchronous radio network, the RRC 713 in the asynchronous mobile station stores information necessary for establishing the radio resource, and transmits a 'Radio Bearer Assignment Setup' message containing the rest of information to the CC entity in the asynchronous mobile station, through the primitive of 'UE [[IF]] Side Initiated Radio Access

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Bearer Establishment Indication' provided by the DC-SAP. After that, [[then,]] it establishes the radio resource by using the stored information.

Please amend the first full paragraph on page 30 of the specification as indicated:

At step S17, after receiving the 'Radio Bearer Assignment Setup' message from the RRC 713 in the asynchronous mobile station, the CC entity in the asynchronous mobile station stores information extracted ~~exacted~~ from the 'Radio Bearer Assignment Setup' message, and transmits a 'Radio Bearer Assignment Setup Complete' message through the primitive of 'UE [[IF]] Side Initiated Radio Access Bearer Establishment Response' provided by the DC-SAP, to the RRC in the asynchronous mobile station.

Please amend the third full paragraph on page 30 of the specification as indicated:

At step S19, after receiving the 'Radio Bearer Setup Complete' message from the RRC 713 in the asynchronous mobile station, the RRC 721 in the asynchronous radio network is informed that establishment of the radio resource is completed, and transmits a 'Service Connect' message through the 'Downlink ~~' Downlink~~ Direct Transfer' message to the RRC 713 in the asynchronous mobile station. Thereby, structural information for service originally requested by the asynchronous mobile station is transmitted to the asynchronous mobile station, so that the asynchronous mobile station can perform call processing according to this structural information.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the first full paragraph on page 31 of the specification as indicated:

At step S21, after receiving the 'Service Connect' message from the RRC 713 in the asynchronous mobile station, the CC entity in the asynchronous mobile station stores the structural information for service, and transmits a 'Service Connect Complete' ~~Completion~~ message through the primitive of 'Data Transfer Request' provided by the DC-SAP to the RRC in the asynchronous mobile station.

Please amend the second full paragraph on page 31 of the specification as indicated:

At step S22, after receiving the 'Service Connect Complete' ~~Completion~~ message from the CC entity 711 in the asynchronous mobile station, the RRC 713 in the asynchronous mobile station transmits the 'Service Connect Complete' ~~Completion~~ message through the 'Uplink Direct Transfer' message, to the RRC 721 in the asynchronous radio network.

Please amend the third full paragraph on page 31 of the specification as indicated:

At step S23, after receiving the 'Service Connect Complete' ~~Completion~~ message from the RRC 713 in the asynchronous mobile station, the RRC 721 in the asynchronous radio network is informed that establishment of the structural information for service is completed and the establishment of the radio resource is completed, and transmits an 'Assignment Complete' message to the synchronous core network, in order to inform the synchronous core network that the asynchronous mobile station is in a state of being capable of a phone call.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the fourth full paragraph on page 32 of the specification as indicated:

By proceeding with the steps described so far, interlocking between the asynchronous mobile station and the synchronous core network can be carried out.

Please amend the fifth full paragraph on page 32 (spanning pages 32 and 33) of the specification as indicated:

Fig. 8 is a flow chart representing a second embodiment of a method for processing a call in the asynchronous mobile communication system. Particularly, Fig. 8 represents a Call Clearing Flow initiated by the asynchronous mobile station, where ~~in case~~ the synchronous ANSI-41 core network is coupled to the asynchronous radio network in the asynchronous mobile communication system.

Please amend the fifth full paragraph on page 33 (spanning pages 33 and 34) of the specification as indicated:

At step S31, when terminating the phone call, the CC entity 711 in the asynchronous mobile station transmits a 'Release Order' message requesting to release a wire resource and a radio resource through the primitive of the 'Data Transfer Request' provided by the DC-SAP, [[DS-SAP,]] to the RRC 713 in the asynchronous mobile station.

Please amend the first full paragraph on page 34 of the specification as indicated:

At step S32, after receiving this message, the RRC 713 in the asynchronous mobile station transmits the 'Release Order' message through the 'Uplink ~~' Uplink~~ Direct Transfer' message to the RRC in the asynchronous radio network.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the third full paragraph on page 34 of the specification as indicated:

At step S34, after receiving this message, the [[The]] CC entity in the MSC of the synchronous core network is informed that the asynchronous mobile station requests to release the wire resource and the radio resource, and transmits a 'Clear Command' message to the asynchronous radio network, in order to command the asynchronous radio network to release the wire resource and the radio resource.

Please amend the second full paragraph on page 35 of the specification as indicated:

At step S38, after receiving this message, the RRC in the asynchronous mobile station performs releasing a radio resource for exclusive use, and transmits a 'Radio Bearer Release' message containing information of the release completion through the primitive of an 'IF Side Initiated ~~initiated~~ Radio Access Bearer Release Indication' provided by DC-SAP, to the CC entity in the asynchronous mobile station.

Please amend the fourth full paragraph on page 35 (spanning pages 35 and 36) of the specification as indicated:

At step S40, after receiving the message, the RRC 713 in the asynchronous mobile station transmits a 'Radio Bearer Release Complete' message to the RRC in the asynchronous radio network. The message serves to inform that releasing the radio resource for exclusive use between the asynchronous mobile station and the asynchronous radio network is completed.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the first full paragraph on page 36 of the specification as indicated:

At step S41, after receiving the message, the RRC 721 [[713]] in the asynchronous radio network ~~mobile station~~ transmits an [[a]] 'RRC Connection Release' message to the RRC 713 in the asynchronous mobile station, in order to release a Layer-3 signaling and a radio resource.

Please amend the second full paragraph on page 36 of the specification as indicated:

At step S42, after receiving the 'RRC Connection Release' message, the RRC 713 in the asynchronous mobile station 710 is informed that the Layer-3 signaling and the radio resource should be released ~~for should release~~ between the asynchronous radio network and itself; transmits an [[a]] 'RRC Connection Release Complete' message to release the Layer-3 signaling and the radio resource [[for,]] to the RRC in the asynchronous radio network; and performs releasing the Layer-3 signaling and the radio resource [[for]].

Please amend the third full paragraph on page 36 of the specification as indicated:

At step S43, after receiving the 'RRC Connection Release Complete' message, the RRC in the asynchronous radio network is informed that the Layer-3 signaling and the radio resource for common use were released, and transmits a 'Clear Complete' message to the [[The]] CC protocol entity in the synchronous core network, so that the CC protocol entity can be informed that the release of all resources and signaling is completed between the asynchronous mobile station and itself.

Please amend the fourth full paragraph on page 36 of the specification as indicated:

By proceeding with the steps described above, the connected call can be released.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the fifth full paragraph on page 36 (spanning pages 36 and 37) of the specification as indicated:

Fig. 9 is a flow chart representing a method for processing a call clearing, where ~~in case~~ the synchronous core network initiates a call-clearing signal in the asynchronous mobile communication system.

Please amend the fifth full paragraph on page 37 of the specification as indicated:

At step S52, after receiving the 'Clear Command' ~~'clear message'~~ message, the asynchronous radio network transmits a 'Release Order' message to the RRC 713 in the asynchronous mobile station 710 in order to start releasing the wire resource and the radio resource, and starts releasing the wire resource and the radio resource.

Please amend the second full paragraph on page 39 of the specification as indicated:

At step S59, [[S 59,]] after receiving the 'RRC Connection Release' message, the RRC 713 in the asynchronous mobile station 710 is informed that the Layer-3 signaling and the radio resource should be released between the asynchronous radio network 720 and itself; transmits the 'RRC Connection Release Complete' message to release the Layer-3 signaling and the radio resource, to the RRC 721 in the asynchronous radio network 720; and performs releasing the Layer-3 signaling and the radio resource.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the third full paragraph on page 40 of the specification as indicated:

Reference numerals 750 and 751 denote a source asynchronous radio network, and an asynchronous radio resource controller (RRC) included in the source asynchronous radio network, respectively.

Please amend the fourth full paragraph on page 40 of the specification as indicated:

Reference numerals 760, 761 and 762 denote a synchronous ANSI-41 core network, a synchronous radio resource ~~Resource~~ (RR) included in the synchronous core network, and a synchronous call control (CC) entity included in the synchronous core network, respectively.

Please amend the second full paragraph on page 42 of the specification as indicated:

At step S75, after receiving the 'Handoff Request' message from the RR 761 in the synchronous core network ~~net work~~ 760, the target asynchronous radio network 770 is informed that the handoff will be generated; analyzes and stores information of the source asynchronous radio network 750 and the asynchronous mobile station 740, which are related to the handoff; and is prepared for the handoff. And then, in response to the received message, the target asynchronous radio network 770 transmits a 'Handoff Request Ack' message to the synchronous core network 760.

Please amend the fourth full paragraph on page 44 (spanning pages 44 and 45) of the specification as indicated:

At step S85, after receiving the 'Physical Channel Reconfiguration' message, the target asynchronous radio network 770 is informed that the handoff was completed, and transmits a

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

'Handoff Complete' ~~Completed'~~ message to the RR 761 in the synchronous core network in order to inform that the target asynchronous radio network 770 is communicating presently with the asynchronous mobile station.

Please amend the first full paragraph on page 45 of the specification as indicated:

At step S86, after receiving the 'Handoff Complete' ~~'handoff Completed'~~ message, the RR in the synchronous core network 760 informs the CC entity 762 that the handoff was completed, through an internal communication. After being informed, the CC entity 762 in the synchronous core network 760 transmits a 'Clear Command' message to the source asynchronous radio network 750 in order to release a radio resource and a wire resource of the source asynchronous radio network 750.

Please amend the second full paragraph on page 45 of the specification as indicated:

At step S87, after receiving the 'Clear Command' ~~command'~~ message, the RRC in the source asynchronous radio network is informed that the radio and the wire resource should be released, and transmits a 'Radio Bearer Release' message to the RRC 742 in the asynchronous mobile station 740 in order to release the radio resource.

Please amend the fourth full paragraph on page 46 (spanning pages 46 and 47) of the specification as indicated:

At step S92, after receiving the 'RRC ~~'Radio~~ Connection Release' message, the RRC 742 in the asynchronous mobile station 740 is informed that the Layer-3 signaling and the radio resource should be released between the asynchronous radio network 750 and itself; transmits

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

the 'RRC Connection Release Complete' message to release the Layer-3 signaling and the radio resource, to the RRC 751 in the asynchronous radio network 750; and performs releasing the Layer-3 signaling and the radio resource.

Please amend the third full paragraph on page 47 of the specification as indicated:

Reference numerals 740, 741, 742 and 743 denote an asynchronous mobile station, a synchronous call control (CC) entity, an asynchronous radio resource controller (RRC) included in the asynchronous mobile station, and a synchronous radio resource ~~Resource~~ (RR), respectively.

Please amend the first full paragraph on page 48 of the specification as indicated:

Reference numerals 760, 761 and 762 denote a synchronous ANSI-41 core network, a synchronous radio resource ~~Resource~~ (RR) included in the synchronous core network, and a synchronous call control (CC) entity included in the synchronous core network, respectively.

Please amend the fifth full paragraph on page 51 (spanning pages 51 and 52) of the specification as indicated:

At step S116, after receiving the 'Clear ~~'clear~~ Command' message, the RRC 751 in the source asynchronous radio network 750 is informed that the radio resource and the wire resource should be released, and transmits a 'Radio Bearer Release' message to the RRC 742 in the asynchronous mobile station 740 in order to release the radio resource.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the first full paragraph on page 54 of the specification as indicated:

Reference numerals 810, 811, 812 and 813 denote a synchronous mobile station, a synchronous call control (CC) entity, an asynchronous radio resource controller (RRC) included in the synchronous mobile station 810 and a synchronous radio resource ~~Resource~~ (RR), respectively.

Please amend the third full paragraph on page 54 of the specification as indicated:

Reference numerals 760, 761 and 762 denote a synchronous ANSI-41 core network, a synchronous radio resource ~~Resource~~ (RR) included in the synchronous core network 760, and a synchronous call control (CC) entity included in the synchronous core network 760, respectively.

Please amend the third full paragraph on page 56 of the specification as indicated:

If ~~In case~~ the target DS RNC 790 does store ~~stores~~ the resource to be assigned to the mobile station 810, at step S137, it transmits a 'Handoff Request Ack' message to the RR 761 in the synchronous core network, in response to the received 'Handoff Request' message.

Please amend the second full paragraph on page 57 of the specification as indicated:

At step S141, after receiving the 'MS Ack Order' message, the source MC system 800 is informed that the mobile station 810 commenced the handoff, and transmits a 'Handoff Commenced' message to the RR 761 in the synchronous core network 760 in order to inform that the handoff was commenced. [Note to the Examiner: inserted an opening single quote before "MS" in the first sentence.]

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the second full paragraph on page 58 of the specification as indicated:

At step S147, after receiving the 'Intersystem Handover Complete' message, the target DS RNC 790 is informed that the handoff was completed, and transmits a 'Handoff Complete' ~~Completed'~~ message to the RR 761 in the synchronous core network 760 in order to inform that it is communicating presently with the mobile station.

Please amend the sixth full paragraph on page 59 (spanning pages 59 and 60) of the specification as indicated:

Reference numerals 760, 761 and 762 ~~762 and 761~~ denote a synchronous ANSI-41 core network, a synchronous radio resource ~~Radio Resource~~ (RR) included in the synchronous core network, and a synchronous call control (CC) entity included in the synchronous core network, respectively.

Please amend the second full paragraph on page 61 of the specification as indicated:

In cases where ~~In case~~ the target analog system stores the resource to be assigned to the mobile station 810, at step S165, it transmits a 'Handoff Request Ack' message to the RR 761 in the synchronous core network 760, in response to the received 'Handoff Request' message.

Please amend the third full paragraph on page 61 of the specification as indicated:

At step S166, after receiving the 'Handoff Request Ack' ~~Request'~~ message, the RR 761 in the synchronous core network 760 is informed that the target analog system was prepared for the handoff, and transmits a 'Handoff Command' message requesting handoff to the source DS RNC 820.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Please amend the fifth full paragraph on page 61 (spanning pages 61 and 62) of the specification as indicated:

At step S168, after receiving the 'Inter System Handover Command' message, the RRC 812 in the mobile station 810 gets prepared for the handoff to the target analog system, and, in response to the received message, transmits an 'MS Ack Order' message to the RRC 821 in the source DS RNC 820.

Please amend the third full paragraph on page 62 of the specification as indicated:

At step S171, after the process at the step S170 was completed, the target analog system 830 is informed that the handoff was completed, transmits a 'Handoff Complete' ~~Completed'~~ message to the RR 761 in the synchronous core network 760 in order to inform that it is communicating with the ~~present~~ mobile station.

Please amend the fourth full paragraph on page 62 of the specification as indicated:

At step S172, after receiving the 'Handoff Complete' ~~Completed'~~ message, the RR 761 in the synchronous core network 760 informs the CC entity 762, through [[the]] internal communication, that the handoff was completed. After being informed, the CC entity in the synchronous core network 760 transmits a 'Clear Command' message to the source DS RNC 820 in order to release the radio resource and the wire resource between the source DS RNC 820 and itself.

McDONNELL BOEHNEN
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001